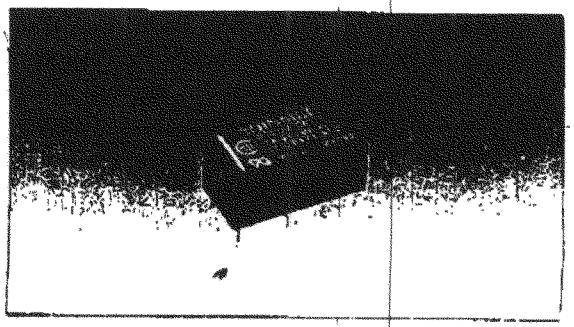
FEATURES

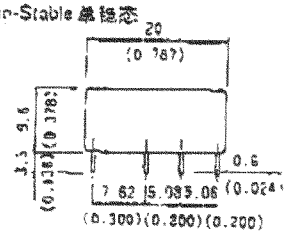
- 2 pole relay suitable for signal circuit.
- High sensitive polarized relay.
  100mW Pick-up power (200mW nominal operating power).
- High reliability and long life
  1×10^8 (mechanical life), 5×10^6 (2A 30VDC electrical life).
- High breakdown voltage
  1500VAC Between coil and contact.
  1000VAC Between open contacts.
- Gold-clad Silver nickel contact are available as standard.
- Sealed construction
- UL File E128155
- CSA File 700170

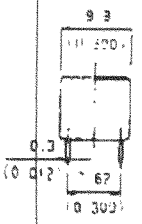


DIMENSIONS / 尺寸图

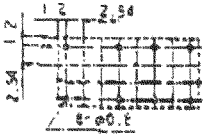
Unit : mm (inch)

Mono-Stable 单稳态

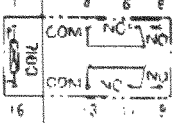




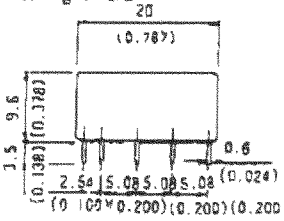
PC Board pattern 安装图

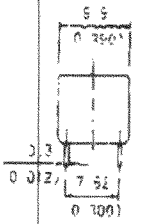


Schematic (Bottom view)
引出端排列·内部结构图

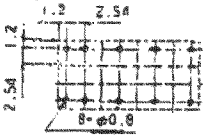


2 coil latching 双稳态

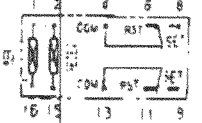




PC Board pattern 安装图



Schematic (Bottom view)
引出端排列·内部结构图



ORDERING CODE / 订货编号

RSB ☐ — ☐ — ☐ — ☐

(M) Mono-Stable
L 2 coil latching
无表示 单稳态
L 双稳态

Coil voltage 线圈电压
3, 5, 6, 9, 12, 24, 48 VDC

No Standard Sensitive type : 400mW
S High Sensitive type : 200mW
无表示 标准型 : 400mW
S 高敏度型 : 200mW

Ni Ag-Ni contact
无表示 Ag-Ni 接点

COIL RATING / 线圈额定 (Mono-stable high sensitive 单稳态 · 高敏度型) (at 20°C)

Model number 型号	Nominal voltage 额定电压 (VDC)	Operate voltage 最大动作电压 (VDC Max.)	Release voltage 最小复归电压 (VDC Min.)	Coil resistance 线圈电阻 (Ω ±10%)	Max. allowable voltage 最大允许动作电压 (VDC)
RSB-3-S	3	3.6	0.5	125	9.8
RSB-6-S	6	4.2	0.6	180	
RSB-9-S	9	6.3	0.9	405	
RSB-12-S	12	8.4	1.2	720	
RSB-24-S	24	16.8	2.4	2880	
RSB-48-S	48	33.6	4.8	11520	

COIL RATING / 线圈额定 (Mono-stable standard 单稳态 · 标准型) (at 20°C)

Model number 型号	Nominal voltage 额定电压 (VDC)	Operate voltage 最大动作电压 (VDC Max.)	Release voltage 最小复归电压 (VDC Min.)	Coil resistance 线圈电阻 (Ω ±10%)	Max. allowable voltage 最大允许动作电压 (VDC)
RSB-3	3	3.5	0.5	62.5	
RSB-6	6	4.2	0.6	90	
RSB-9	9	6.3	0.9	203	
RSB-12	12	8.4	1.2	360	
RSB-24	24	16.8	2.4	1440	
RSB-48	48	33.6	4.8	5760	

■ COIL RATING/线圈额定 (2 coil latching high sensitive 双稳态·高敏度型) (at 20℃)

Model number 型号	Nominal voltage 额定电压 (VDC)	Set & Reset voltage Set & Reset 电压 (VDC Max.)	Coil resistance (coil 1 & 2) 线圈电阻 (Ω ± 10%)	Max. allowable voltage 最大允许动作电压 (VDC Max.)
RSBL-5-S	5	3.5	139	9.8
RSBL-6-S	6	4.2	200	11.8
RSBL-9-S	9	6.3	450	17.7
RSBL-12-S	12	8.4	800	23.6
RSBL-24-S	24	16.8	3200	47.2
RSBL-48-S	48	33.6	12800	94.4

■ COIL RATING/线圈额定 (2 coil latching standard 双稳态·标准型) (at 20℃)

Model number 型号	Nominal voltage 额定电压 (VDC)	Set & Reset voltage Set & Reset 电压 (VDC Max.)	Coil resistance (coil 1 & 2) 线圈电阻 (Ω ± 10%)	Max. allowable voltage 最大允许动作电压 (VDC Max.)
RSBL-5	5	3.5	69.4	7.8
RSBL-6	6	4.2	100	9.1
RSBL-9	9	6.3	225	14.0
RSBL-12	12	8.4	400	18.7
RSBL-24	24	16.8	1600	37.4
RSBL-48	48	33.6	6400	74.8

■ CONTACT RATING/接点额定

Contact arrangement 接点形式		DPDT (2C)
Contact material 接点材料		AgNi (Au clad)
Contact rating (Resistive load) 接点额定 (电阻负载)	Max. switching voltage 最大开关电压	220V DC 250V AC
	Max. switching current 最大开关电流	2A
	Max. switching power 最大开关功率	60W (DC) 125VA (AC)
	Max. carrying current 最大通电电流	2A
	Rated contact load 额定负载	2A 30VDC 1A 125VAC

■ GENERAL DATA/一般性能

Life expectancy 寿命	Mechanical life 机械寿命		100,000,000 Operations
	Electrical life 电气寿命		500,000 Operations (2A 30VDC 1A 125VAC) 2,000,000 Operations (1A 30VDC 0.5A 125VAC)
Operate & Release time 动作复归时间	Operate time 动作时间		Max. 5 msec.
	Release time 复归时间		Max. 3.5 msec.
Temperature characteristics 温度特性	Coil temperature rise 线圈温度上升	Standard type 标准型	Less than 40 deg C (at nominal coil voltage)
		High sensitive type 高敏度型	Less than 30 deg C (at nominal coil voltage)
	Operate ambient temperature 动作温度		−40℃ to +70℃
	Storage ambient temperature 保存温度		−40℃ to +80℃
Dielectric strength 绝缘耐压	Between coil and contact 接点一线圈之间		1500Vrms (1 minute)
	Between open contacts 接点之间		1000Vrms (1 minute)
Environmental requirment 环境特性	Ambient humidity 湿度		Max. 80% RH
	Ambient pressure 气压		1013hPa(mb) ±20%
	Vibration (Malfunction) 振动(误动作)		10−55Hz at double amplitude of 1.5mm
Shock 冲击	Mechanical damage 机械的损伤		100G
	Malfunction 误动作		40G